



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ :

D21C 3/02, 11/12

A1

(11) International Publication Number:

WO 00/47812

(43) International Publication Date:

17 August 2000 (17.08.00)

(21) International Application Number: PCT/SE00/00288

(22) International Filing Date: 14 February 2000 (14.02.00)

(30) Priority Data:

PCT/SE99/00191 15 February 1999 (15.02.99) SE

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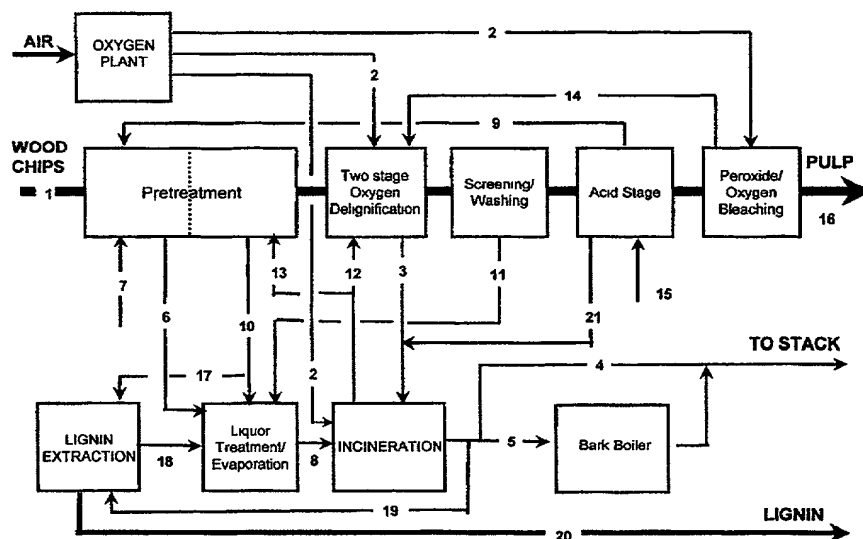
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ical AB, Box 24107, S-104 51 Stockholm (SE).(81) Designated States: BR, CA, CN, JP, US, European patent (AT,
BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,
MC, NL, PT, SE).

Published

With international search report.

Before the expiration of the time limit for amending the
claims and to be republished in the event of the receipt of
amendments.

(54) Title: PROCESS FOR OXYGEN PULPING OF LIGNOCELLULOSIC MATERIAL AND RECOVERY OF PULPING CHEMICALS



(57) Abstract

The process of the present invention relates to a substantially sulfur free process for the manufacturing of a chemical pulp with an integrated recovery system for recovery of pulping chemicals. The subject process is carried out in several stages involving physical and chemical treatment of lignocellulosic material in order to increase accessibility of the lignocellulosic material to reactions with an oxygen-based delignification agent. Spent cellulose liquor comprising lignin components and spent chemical reagents is fully or partially oxidized in a gas generator wherein a stream of hot raw gas and a stream of alkaline chemicals and chemical reagents is formed for subsequent recycle and reuse in the pulp manufacturing process.